

## **INTEGRATED CIRCUIT BTSC ENCODER**

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### **ABSTRACT OF THE DISCLOSURE**

[066] An integrated digital BTSC encoder substantially implemented on a single CMOS integrated circuit is described. By incorporating a BTSC encoder within an all digital RF modulator, an improved set top box is provided, obviating the need for an additional BTSC encoder and modulator board and/or discrete analog components. A fully integrated solution that performs BTSC encoding within the RF modulator may be used with legacy television systems and also with other audio/visual equipment connected to the set top box.

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